

Title (en)

DIRECTIONAL PIXEL FOR USE IN A DISPLAY SCREEN

Title (de)

DIREKTIONALES PIXEL FÜR ANWENDUNG BEI EINEM BILDSCHIRM

Title (fr)

PIXEL DIRECTIONNEL POUR UTILISATION DANS UN ÉCRAN D’AFFICHAGE

Publication

EP 2841980 A4 20160113 (EN)

Application

EP 12875634 A 20120427

Priority

US 2012035573 W 20120427

Abstract (en)

[origin: WO2013162609A1] A directional pixel for use in a display screen is disclosed. The directional pixel receives a planar lightbeam and includes a light propagating layer and a grating to scatter a portion of the planar lightbeam into a directional lightbeam having a direction and angular spread controlled by the grating.

IPC 8 full level

G02B 27/00 (2006.01); **F21V 8/00** (2006.01); **G02B 5/18** (2006.01); **G02B 6/124** (2006.01); **G02B 30/33** (2020.01)

CPC (source: CN EP KR)

G02B 5/1842 (2013.01 - EP); **G02B 6/34** (2013.01 - EP); **G02B 27/0081** (2013.01 - EP); **G02B 30/33** (2020.01 - CN EP KR); **H04N 13/30** (2018.04 - KR); **H04N 2213/001** (2013.01 - EP KR)

Citation (search report)

- [X1] US 2009244706 A1 20091001 - LEVOLA TAPANI [FI], et al
- [A] US 2011002143 A1 20110106 - SAARIKKO PASI [FI], et al
- [A] WO 2010119426 A2 20101021 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013162609 A1 20131031; CN 104395814 A 20150304; CN 104395814 B 20180427; EP 2841980 A1 20150304; EP 2841980 A4 20160113; EP 4001994 A1 20220525; HK 1206101 A1 20151231; JP 2015524935 A 20150827; JP 6342888 B2 20180613; KR 101918038 B1 20181113; KR 20150021016 A 20150227

DOCDB simple family (application)

US 2012035573 W 20120427; CN 201280072412 A 20120427; EP 12875634 A 20120427; EP 22150891 A 20120427; HK 15106380 A 20150706; JP 2015508928 A 20120427; KR 20147027160 A 20120427